

AMENDMENTS TO THE CLAIMS

Claims 1. - 36. (CANCELED)

37. (CURRENTLY AMENDED) An electronic device for outputting a signal configured according to at least one control parameter of a patient, comprising:

- (a) an electronic data recording device configured for receiving a prior blood glucose value;
- (b) a memory comprising one or more optimal blood glucose values, self-care values of a patient, optimal self-care values, and one or more scaling factors for weighting the impact on a future blood glucose value and that are customized to an individual patient to predict the effect on the blood glucose of self-care actions performed by the individual patient;
- (c) a microprocessor, in communication with said electronic data recording device and said memory, programmed to calculate a further value, said further value being based on said self-care values, said optimal blood glucose disease control parameter values, and said scaling factors, and
- (d) a display configured to display information according to said further value, thereby enabling the patient to select appropriate self care actions.

38. (PREVIOUSLY PRESENTED) The device of claim 37,  
further comprising a housing, wherein said memory and said  
microprocessor are housed within said housing, and further  
comprising an output port, said output port is integral with said  
housing, thereby providing a hand-held, readily transportable  
device.  
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39. (PREVIOUSLY PRESENTED) The device of claim 38,  
wherein said electronic data recording device is arranged within  
said housing.

40. - 50. (CANCELED)

51. (PREVIOUSLY PRESENTED) The device of claim 37,  
wherein said processor is programmed to calculate a plurality of  
future blood glucose values representative of a corresponding  
plurality of expected blood glucose concentrations of the patient.

52. (PREVIOUSLY PRESENTED) The device of claim 37,  
further comprising an output port coupled to said processor for  
establishing a communication link between said device and a  
healthcare provider computer and for transmitting and receiving  
5 data therebetween.

53. (PREVIOUSLY PRESENTED) The device of claim 52, wherein said device further comprises a modem for establishing said communication link through a communication network.

54. (PREVIOUSLY PRESENTED) The device of claim 52, wherein said output port comprises an input/output port for establishing said communication link through a connection cord.

55. - 61. (CANCELED)

62. (PREVIOUSLY PRESENTED) The device of claim 37, wherein said display is configured for displaying future blood glucose values in graphical form.

63. - 66. (CANCELED)

67. (PREVIOUSLY PRESENTED) The device of claim 37, wherein the electronic data recording device further comprises a glucose measurement device for measuring the prior blood glucose value, and wherein the measured blood glucose value is stored in  
5 the memory.

68. (PREVIOUSLY PRESENTED) The device of claim 67,  
wherein the glucose measuring device comprises a blood glucose  
meter.